

IN THE CLAIMS

1. (Currently Amended) A method for transmitting signaling information over control channels of a communication system, the method comprising the steps of:

providing a defined set of signaling information to be transmitted over a first signaling channel; and

scrambling signaling information to be transmitted over a second signaling channel based on the particular signaling information, from the defined set, to be transmitted over the first signaling channel.

2. (Currently Amended) The method of claim 1, further comprising:

correcting the signaling information transmitted over the first signaling channel and received over such channel without application of additional channel coding to such signaling information.

3. (Currently Amended) The method of claim 1 where the step of providing a defined set of information further comprises associating a particular scrambling procedure of a particular scrambling scheme to each signaling information ~~from~~ in the defined set.

4. (Currently Amended) The method of claim 3 where the particular scrambling scheme interleaves ~~is to interleave the~~ signaling information to be transmitted over the second signaling channel and the particular scrambling procedure comprises the steps of:

organizing the second signaling channel information into separate rows of a matrix; and

outputting columns of the matrix in a sequential manner where the first signaling channel information to be transmitted determines which column of the matrix is outputted first.

5. (Currently Amended) The method of claim 3 where the particular scrambling scheme ~~is to apply~~ applies a particular Walsh code to the signaling information to be transmitted over the second signaling channel and where the applied Walsh code is part of a set of orthogonal Walsh codes having different spreading factors and the particular scrambling procedure comprises the step of selecting a particular Walsh code having an appropriate spreading factor.

6. (Currently Amended) A method for transmitting signaling information over control channels of a communication system, the method comprising the steps of:

providing a defined set of signaling information to be transmitted over a first signaling channel where the step of providing a defined set of information further comprises associating a particular scrambling procedure of a particular scrambling scheme to each signaling information ~~from~~ in the defined set; and

scrambling signaling information to be transmitted over a second signaling channel based on the particular signaling information, from the defined set, to be transmitted over the first signaling channel where the particular scrambling scheme is to generate a polarized block pattern associated with the information to be transmitted over the second signaling channel where the particular scrambling procedure comprises the steps of:

generating a specific number of replicated channel coded blocks; and

polarizing a specific portion of the replicated channel coded blocks.

7. (Previously Presented) The method of claim 6 where the communication system is a cdma2000-1x-EV-DV standard compliant CDMA system.

8. (Previously Presented) The method of claim 7 where the first signaling channel is a primary control channel of the CDMA communication system and the second signaling channel is a secondary control channel of the CDMA communication system.

9. (Currently Amended) The method of claim 8 where the defined set of information to be transmitted over the primary control channel contains sub-packet length indications for the secondary control ~~channels~~ channel and the a data ~~channels~~ channel of the CDMA system.